



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: NOVEMBER 25, 2019

ITEM NO: 17

SUBJECT: BID NO. RPU-7711 FOR DRILLED PIER FOUNDATIONS WITH ASPLUNDH CONSTRUCTION LLC., IN THE AMOUNT OF \$3,584,000; BID NO. RPU-7721 FOR POTHOLING WITH HOT LINE CONSTRUCTION INC. IN THE AMOUNT OF \$52,650; AND WORK ORDER NO. 2006768 FOR A TOTAL CAPITAL EXPENDITURE OF \$4,109,600

ISSUES:

Award Bid No. RPU-7711 for Drilled Pier Foundations to Asplundh Construction, LLC., of Anaheim, California, in the amount of \$3,584,000; award Bid No. RPU-7721 for Potholing to support Drilled Pier Foundations installation at nine (9) locations to Hot Line Construction, INC., of Brentwood, California, in the amount of \$52,650; and approve Work Order No. 2006768 for the total capital expenditure of \$4,109,600 for the purpose of tracking work specifically related to the Drilled Pier Foundations as part of the RTRP Work Order 642975 and within the Work Order amount of \$71,605,521, following Board approval of the RTRP Work Order increase on November 25, 2019.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Award Bid No. RPU-7711 for Drilled Pier Foundations to Asplundh Construction, LLC., of Anaheim, California, in the amount of \$3,584,000;
2. Award Bid No. RPU-7721 for Potholing to support Drilled Pier Foundations installation at nine (9) locations to Hot Line Construction, INC., of Brentwood, California, in the amount of \$52,650; and
3. Approve Work Order No. 2006768 for the total capital expenditure of \$4,109,600 for the purpose of tracking work specifically related to the Drilled Pier Foundations as part of the RTRP Work Order 642975 and within the amount of \$71,605,521, following Board approval of the RTRP Work Order increase on November 25, 2019.

BACKGROUND:

The Riverside Transmission Reliability Project (RTRP) is a joint project with Southern California Edison (SCE) to provide Riverside a second connection to the state electric transmission grid to address the capacity and reliability needs of the City. In addition, the project includes improvements to RPU's transmission system within the City to increase capacity between key substations. This bid award relates to the City's internal transmission system upgrades, which are necessary regardless of the timing and outcome of the larger RTRP project for the second connection to the state electric transmission grid.

On January 20, 2006, the Board of Public Utilities (Board) approved the RTRP and Work Order No. 642975. On February 5, 2013, the City Council certified the Final Environmental Impact Report (FEIR) for the entire project. On October 17, 2014, the Board authorized total funds for the RTRP Work Order 642975 in the

amount of \$42,605,521 which includes work to be completed by both Southern California Edison (SCE) and the City of Riverside. On November 25, 2019, the Board will consider approval of RTRP Work Order 642975 increase to \$71,605,521.

Currently, SCE has applied to the California Public Utilities Commission (CPUC) for their approval of a Certificate of Public Convenience and Necessity for their portion of the project that includes 10 miles of 230kV transmission lines and a new substation. The remainder of the project includes a substation and 69kV sub-transmission lines within the City of Riverside and is not subject to CPUC approval.



69kV sub-transmission line drilled pier foundations

The construction of the 69kV sub-transmission line between Riverside’s Energy Resource Center (RERC) and Harvey Lynn substation is planned in Fiscal Year 2019-2020 followed by construction of RERC to Freeman line in Fiscal Year 2020-2021. The drilled pier foundations scope of work for steel structures for the RERC to Harvey Lynn line was further parsed out to avoid and minimize development project conflicts and new easement requirements, allow time for proper curing of concrete, and meet the project schedules. This scope of work only includes the installation of 37 drilled pier foundations for the 69kV RERC to Harvey Lynn line. Additionally, the City of Riverside has also identified nine (9) locations where a subsurface potholing investigation would benefit the RTRP foundation construction. The Installation and removals of utility poles, wires and associated overhead facilities will be performed under a separate contract in the future.

DISCUSSION:

Bid No. RPU-7711 for the Drilled Pier Foundations installation was posted on the City’s Online Bid System on August 9, 2019 with a closing date of September 5, 2019. Only one (1) out of nine (9) potential vendors submitted a bid for the project. Staff evaluated the bid response and deemed Asplundh Construction LLC. to be the lowest responsive and responsible bidder. The bid was higher than the engineer’s estimated amount; however, it was found to meet bid requirements due to cost of handling conductors along the right of way and higher cost of having line crews available for the duration of the job considering the project timeline. The construction of 69kV line work is an important component of the RTRP project in order to improve Riverside Public Utilities sub-transmission system reliability.

The bid results for Bid No. RPU-7711 are summarized in the table below:

Vendors	City Location	Bid Amount	Rank
Asplundh Construction LLC.	Anaheim, CA	\$3,584,000	1

> *Engineer's Estimate*

\$2,500,000

Bid No. RPU-7721 for the Potholing to support Drilled Pier Foundations installation at nine (9) locations was posted on the City's Online Bid System on September 27, 2019 with a closing date of October 15, 2019. Two (2) vendors submitted a bid for the project. Staff evaluated the bid responses and deemed Hot Line Construction INC. to be the lowest responsive and responsible bidder. The bid was higher than the engineer's estimated amount but was found to meet bid requirements.

The bid results for Bid No. RPU-7721 are summarized in the table below:

Vendors	City Location	Bid Amount	Rank
Hot Line Construction INC.	Brentwood, CA	\$52,650	1
VCI Construction LLC.	Upland, CA	\$71,363	2

> *Engineer's Estimate*

\$48,000

The breakdown for the total capital expenditure is as follows:

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Engineering	Power Engineers, Inc.	\$94,798
Project Management	RPU Energy Delivery Engineering	\$10,000
	Power Engineers, Inc.	\$4,740
Construction (Bid No. RPU-7711: Drilled Piers Foundations installation)	Asplundh Construction, LLC.	\$3,584,000
Construction (Bid No. RPU-7721: Potholing)	Hot Line Construction, INC.	\$52,650
Materials		\$5,000
Contingency- 10% of Construction Contract (Bid No. RPU-7711: Drilled Piers Foundations installation)		\$358,400
Work Order Total:		\$4,109,588
Anticipated Start Date:	December 2019 - Potholing January 2020 - Drilled Pier Foundations	
Anticipated Duration:		5 Months

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 23256.

FISCAL IMPACT:

The total fiscal impact is \$4,109,600. Sufficient funds will be available in Public Utilities Electrical Capital Account No. 6130000-470685 (RTRP non-reimbursable) following the board approval of RTRP Work Order 642975 increase to \$71,605,521 on November 25, 2019.

Prepared by: George R. Hanson, Utilities Assistant General Manager/Energy Delivery
Approved by: Todd M. Corbin, Utilities General Manager
Approved by: Al Zelinka, FAICP, City Manager
Approved as to form: Gary G. Geuss, City Attorney

Certifies availability
of funds: Brian Seinturier, Utilities Fiscal Manager

Attachments:

1. Project Site Map
2. Award Recommendation (Bid No. RPU – 7711)
3. Award Recommendation (Bid No. RPU – 7721)
4. Presentation